

In the claims:

1. A method for generating parametric audio output based on interaction of multiple ultrasonic frequencies within air as a nonlinear medium, said method comprising the steps of:

a) generating an electronic signal comprising at least two ultrasonic signals having a difference in value which falls within an audio frequency range;

ag mostly
acoustic
b) transferring the electronic signal to an electro acoustical film transducer diaphragm which couples directly with the air as part of a single stage energy conversion process;

c) converting the electronic signal at the diaphragm directly to mechanical displacement as a driver member of a parametric speaker; and

being
ultrasonic
freq
d) mechanically emitting the at least two ultrasonic signals from the diaphragm into the air as ultrasonic compression waves which interact within the air to generate the parametric audio output.

[e) interacting the ultrasonic compression waves within the air to generate the parametric audio output.]

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290
5. A method as defined in claim 1, wherein step b) comprises the more specific step of transferring the electronic signal to a thermally formed electro [thermal] mechanical film diaphragm as the electro acoustical transducer diaphragm.

no one has use film as the emitter